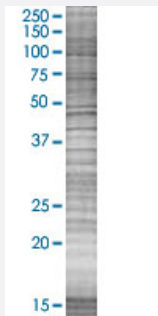


CACNG3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00010368-T02

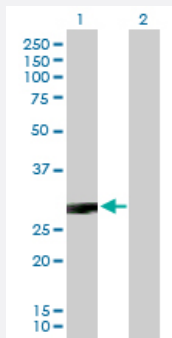
Size 100 uL

Applications



SDS-PAGE Gel

CACNG3 transfected lysate.



Western Blot

Lane 1: CACNG3 transfected lysate (35.5 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-CACNG3 full-length

Host Human

Theoretical MW (kDa) 35.5

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CACNG3 antibody ([H00010368-B01P](#)) by Western Blots.

SDS-PAGE Gel

CACNG3 transfected lysate.

Western Blot

Lane 1: CACNG3 transfected lysate (35.5 KDa)

Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — CACNG3

Entrez GeneID[10368](#)**GeneBank Accession#**[NM_006539](#)**Protein Accession#**[NP_006530.1](#)**Gene Name**

CACNG3

Gene Alias

Cacng2

Gene Description

calcium channel, voltage-dependent, gamma subunit 3

Omim ID[606403](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

L-type calcium channels are composed of five subunits. The protein encoded by this gene represents one of these subunits, gamma, and is one of several gamma subunit proteins. It is an integral membrane protein that is thought to stabilize the calcium channel in an inactive (closed) state. This protein is similar to the mouse stargazin protein, mutations in which have been associated with absence seizures, also known as petit-mal or spike-wave seizures. This gene is a member of the neuronal calcium channel gamma subunit gene subfamily of the PMP-22/EMP/MP20 family. This gene is a candidate gene for a familial infantile convulsive disorder with paroxysmal choreoathetosis. [provided by RefSeq]

Other Designations

neuronal voltage-gated calcium channel gamma-3 subunit|voltage-dependent calcium channel gamma-3 subunit|voltage-gated calcium channel gamma subunit

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Cardiac muscle contraction](#)

- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [MAPK signaling pathway](#)

Disease

- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Seizures](#)